



**STRUCTURAL SYSTEMS  
RESEARCH PROJECT**

Report No.  
SSRP-2001/24  
**FINAL**

**SEISMIC PERFORMANCE OF  
PRECAST SEGMENTAL BRIDGE  
SUPERSTRUCTURES**

**by**

**SAMI HANNA MEGALLY  
MANU GARG  
FRIEDER SEIBLE  
ROBERT K. DOWELL**

Final Report Submitted to Caltrans under Contract No. 59A0051

May 2002

Department of Structural Engineering  
University of California, San Diego  
La Jolla, California 92093-0085

University of California, San Diego  
Department of Structural Engineering  
Structural Systems Research Project

Report No. SSRR-2001/24

**FINAL REPORT**

**Seismic Performance of Precast Segmental Bridge Superstructures**

by

**Sami Hanna Megally**

*Assistant Project Scientist*

**Manu Garg**

*Graduate Research Assistant*

**Frieder Seible**

*Professor of Structural Engineering*

**Robert K. Dowell**

*Principal, Dowell-Holombo Engineering, Inc.*

Final Report Submitted to Caltrans under Contract No. 59A0051

Department of Structural Engineering  
University of California, San Diego  
La Jolla, California 92093-0085

May 2002